

### **Amendments to the Claims**

Claim 1 (**Currently Amended**) A droplet operation ~~device~~ device, comprising:

- ~~an insulating substrate whose surface is subject to water repellent treatment;~~
- ~~a plurality of electrode units that are arranged under or on the~~ insulating substrate, the electrode units for operating controlling movement and stoppage of a droplet to move or stop;
- ~~an insulating layer covering an upper surface of each of the electrode units, the upper surface being opposite to a lower surface of each of the electrode units that is in contact with the~~ insulating substrate;
- ~~a unit that supplies the droplet onto a~~ the surface of the substrate insulating layer;
- ~~a unit that applies an electric field to the electrode units so as to~~ control ~~carry~~ the droplet on the surface of the ~~substrate~~ insulating layer; and
- ~~a unit that measures a state of the droplet,~~
- wherein the surface of the insulating layer is water repellent.

Claim 2 (**Original**) The droplet operation device according to claim 1, further comprising a unit that optically and telescopically measures an internal state of the droplet.

Claim 3 (**Original**) The droplet operation device according to claim 1, further comprising a unit that measures absorbance of the droplet.

Claim 4 (**Original**) The droplet operation device according to claim 1, further comprising a unit that measures fluorescence intensity of the droplet.

Claim 5 (**Original**) The droplet operation device according to claim 1, further comprising a unit that mixes a plurality of droplets.

Claim 6 (**Currently Amended**) The droplet operation device according to claim 1, wherein the droplet contains a cell or a microbe.

Claim 7 (**Currently Amended**) The droplet operation device according to claim 2, wherein the droplet contains a cell or a microbe.

Claim 8 (**Currently Amended**) The droplet operation device according to claim 3, wherein the droplet contains a cell or a microbe.

Claim 9 (**Currently Amended**) The droplet operation device according to claim 4, wherein the droplet contains a cell or a microbe.

Claim 10 (**Currently Amended**) The droplet operation device according to claim 5, wherein the droplet contains a cell or a microbe.